

**Tetra Tech, Inc.**

4213 State Street, Suite 100  
 Santa Barbara, CA 93110-2847  
 VOICE (805) 681-3100 FAX (805) 681-3108

Project: **Vandenberg Air Force Base IRP**Log of Well No. **31-MW-8**
 Location: Approximately 44 feet northeast of Building  
 1892 on Pike Road.

Date Started: 10/26/00 Completed: 10/26/00

 Logged By: J. Harting Checked By: J. Harting, P.E.  
*J. Harting, P.E. #52000*

Drilled By: Brent Carpenter, S/G Testing

Drilling Equipment: CME 75, 10-inch HSA

Sampling Equipment: 2-inch I.D. Split Spoon

GS Elev.: 183.6 ft above MSL TD: 25 ft bgs

4" PVC Blank Casing: from 0 ft bgs to 8 ft bgs

0.01" Screening Casing: from 8 ft bgs to 23 ft bgs

Concrete: from 0 ft bgs to 4 ft bgs

Bentonite Transitional Seal: from 4 ft bgs to 6 ft bgs

2/12 Sand Filter Pack: from 6 ft bgs to 25 ft bgs

TOC Elev.: 185.92 ft above MSL

Depth (ft bgs)	MATERIAL DESCRIPTION	Material Symbol	Material Type	Well Construction	Sample	Blow Counts per 6"	Percent Recovery	PID (ppm) Amb/Smp	REMARKS
	<u>silty sand</u> , yellowish brown (10YR 5/4), fine grained, poorly graded, subrounded to subangular, slightly moist, medium dense, few medium to coarse sand, few fine gravel, dune sand.		SM			8 9 10	50	0/0	Start drilling 0830. 0900 Sample V31MW8-0 submitted for laboratory analyses.
	<u>sand</u> , yellowish brown (10YR 5/4), fine grained, poorly graded, rounded, slightly moist, trace silt, dune sand.		SP			4 4 5	50	0/0	0902 Sample V31MW8-2 submitted for laboratory analyses.
5	moist, medium dense.					4 6 9	70	0/0	0907 Sample V31MW8-5 submitted for laboratory analyses. @6 ft, end of bentonite transition seal.
10						8 9 12	80	0/0	0925 Sample V31MW8-10 submitted for laboratory analyses.
15						8 9 10	60	0/0	
20									Groundwater encountered at 18.45 ft bgs.

18.45 ft bgs Groundwater depth during drilling. 18.85 ft bgs Groundwater depth after well development on: 12/4/00

TC Number: A246-02

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VOICE (805) 681-3100 FAX (805) 681-3108

Project: **Vandenberg Air Force Base IRP**Log of Well No. **31-MW-8**Location: Approximately 35 feet northeast of Building  
1892 on Pike Road.

Depth (ft bgs)	MATERIAL DESCRIPTION	Material Symbol	Material Type	Well Construction	Sample	Blow Counts per 6"	Percent Recovery	PID (ppm) Amb/Smp	REMARKS
20	silty sand, dark gray (10YR 4/1), fine grained, poorly graded, rounded, wet, medium dense, dune sand.		SM			4 5 9	40	0/0	End drilling at 1015. Drilled 10-inch borehole to 25 ft. Back-filled with sand from 25 ft to 6 ft. Construct 4-inch well using prepack screen from 23 ft. All casing is Sched. 80 PVC. Total depth: 25 ft bgs
	thin layer of clay (decomposed shale).					25 50/4"	50		
25	shale, dark gray (5YR 4/1) very dense, wet, Sisquoc Formation.		Shale						
30									
35									
40									
45									